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37. (Currently amended) The composition of claim 31, wherein the cell is histocompatibly identical to the subject human.

- 38. (Currently amended) The composition of claim 31, further comprising a tumor-associated antigen, wherein the combination of the cytokine and the tumor-associated antigen in the composition is effective in treating a neoplastic disease or eliciting an anti-tumor immunological response in the subject human.
- 39. (Currently amended) The composition of claim 38, wherein the tumor-associated antigen is obtained from a cell autologous to the subject human.
- 40. (Previously added) The composition of claim 38, wherein the tumor-associated antigen is expressed by the same cells expressing the membrane-associated cytokine.
- 41. (Currently amended) The composition of claim 38, comprising a combination of:
 - a) the cell expressing the membrane-associated cytokine; and
 - b) a tumor cell autologous to the subject human;

wherein the combination is effective in treating a neoplastic disease or eliciting an anti-tumor immunological response in the subject human.

- 42. (Currently amended) The composition of claim 41, wherein the tumor cell is a primary tumor cell dispersed from a solid tumor obtained from the subject human.
- 43. (Previously added) The composition of claim 41, wherein the tumor cell is a glioma, a glioblastoma, a gliosarcoma, an astrocytoma, or an ovarian cancer cell.
- 44. (Currently amended) The composition of claim 41, wherein the tumor cell is inactivated has been inactivated by irradiation.
- 45. (Currently amended) The composition of claim 31, wherein the cell expressing the membrane-associated cytokine is inactivated has been inactivated by irradiation.

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46. (*Previously added*) The composition of claim 31, wherein the cell produces a secreted cytokine in addition to the cytokine stably associated in the outer membrane.

- 47. (Previously added) The composition of claim 31, wherein a majority of the cytokine produced by the cell is present on the outer membrane of the cell.
- 48. (Currently amended) The composition of claim 38, wherein the cytokine is selected from the group consisting of IL-4, GM-CSF, IL-2, TNF-α, and M-CSF.
- 49. (Currently amended) A composition comprising a tumor associated antigen and a population of cells expressing a transmembrane cytokine _,

wherein the cells have been inactivated to prevent proliferation, and
at a level sufficient to stimulate wherein the composition is effective in stimulating an immune response to the tumor associated antigen.

- 50. (Currently amended) A unit dose of the composition according to claim 31, wherein the number of cells in the composition is at least about 5×10^6 but not more than about 2×10^8 .
- 51. (Canceled)
- 52. (Previously added) The composition of claim 31, wherein the cytokine naturally occurs as a membrane cytokine.
- 53. (*Previously added*) The composition of claim 31, wherein the cytokine is a fusion protein comprising a heterologous transmembrane region.
- 54. (Previously added) The composition of claim 31, wherein the cell has been transduced with a retroviral expression vector, or is the progeny of such a cell.

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55. (Previously added) A method for producing the composition of claim 31, comprising transducing the cell with an expression vector encoding the membrane-associated cytokine.

56. (Previously added) The method of claim 55, wherein the expression vector is a retroviral vector.

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57. (Currently amended) The method of claim 55, wherein the cytokine is selected from the group consisting of IL-4, GM-CSF, IL-2, TNF-α, and M-CSF.

- 58. (Previously added) The method of claim 55, wherein the cytokine is expressed under control of a cytomegalovirus (CMV) promoter.
- 59. (Currently amended) The method of claim 55, wherein the cell is from a cancer of the same tissue type as a tumor in the subject human.

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- 60. (Currently amended) The method of claim 55, wherein the cell is allogeneic to the subject human.
- 61. (Currently amended) The method of claim 55, wherein the cell is histocompatibly identical to the subject human.
- 62. (Previously added) A method for producing the composition of claim 38, comprising transducing a cell with an expression vector encoding the membrane-associated cytokine, and providing the transduced cell in combination with the tumor-associated antigen.
- 63. (New) The method of claim 55, further comprising inactivating the cell to prevent proliferation.

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- 64. (New) The method of claim 55, further comprising irradiating the cell.
- 65. (New) The composition of claim 31, wherein the cytokine is IL-4.

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66. (New) The composition of claim 31, wherein the cytokine is GM-CSF.

67. (New) The composition of claim 31, wherein the cytokine is M-CSF.

68. (New) A pharmaceutical composition effective in treating a neoplastic disease or eliciting an anti-tumor immunological response, comprising:

- a) a human cell expressing a cytokine from a recombinant polynucleotide; and
- b) a pharmaceutical excipient;

wherein the cytokine is stably associated in the cell outer membrane, and wherein the composition has been formulated for administration to an allogeneic human subject.

___69. (New) The composition of claim 68, wherein the cytokine is selected from IL-4, GM-CSF, IL-2, TNF-α, and M-CSF.

70. (New) The composition of claim 68, wherein the cell is a cancer cell.

71. (New) The composition of claim 68, wherein the cell is from a tumor of the same tissue type as a tumor in the human.

72. (New) The composition of claim 68, further comprising a tumor-associated antigen, wherein the combination of the cytokine and the tumor-associated antigen in the composition is effective in treating a neoplastic disease or eliciting an anti-tumor immunological response in the human.

73. (New) The composition of claim 72, wherein the tumor-associated antigen is obtained from a cell autologous to the human.

74. (New) The composition of claim 72, wherein the tumor-associated antigen is expressed by the same cells expressing the membrane-associated cytokine.

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75. (New) The composition of claim 72, comprising a combination of:

- a) the cell expressing the membrane-associated cytokine; and
- b) a tumor cell autologous to the human;

wherein the combination is effective in treating a neoplastic disease or eliciting an anti-tumor immunological response in the human.

- 76. (New) The composition of claim 75, wherein the tumor cell is a primary tumor cell dispersed from a solid tumor obtained from the human.
- 77. (New) The composition of claim 68, wherein the cell expressing the membrane-associated cytokine has been inactivated by irradiation.

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- 78. (New) A method for producing the composition of claim 68, comprising transducing the cell with an expression vector encoding the membrane-associated cytokine.
- 79. (New) The method of claim 78, wherein the expression vector is a retroviral vector.
 - 80. (New) The method of claim 78, further comprising inactivating the cell to prevent proliferation.
 - 81. (New) The method of claim 78, further comprising irradiating the cell.